

# ESTIMATED POTATO STOCKS

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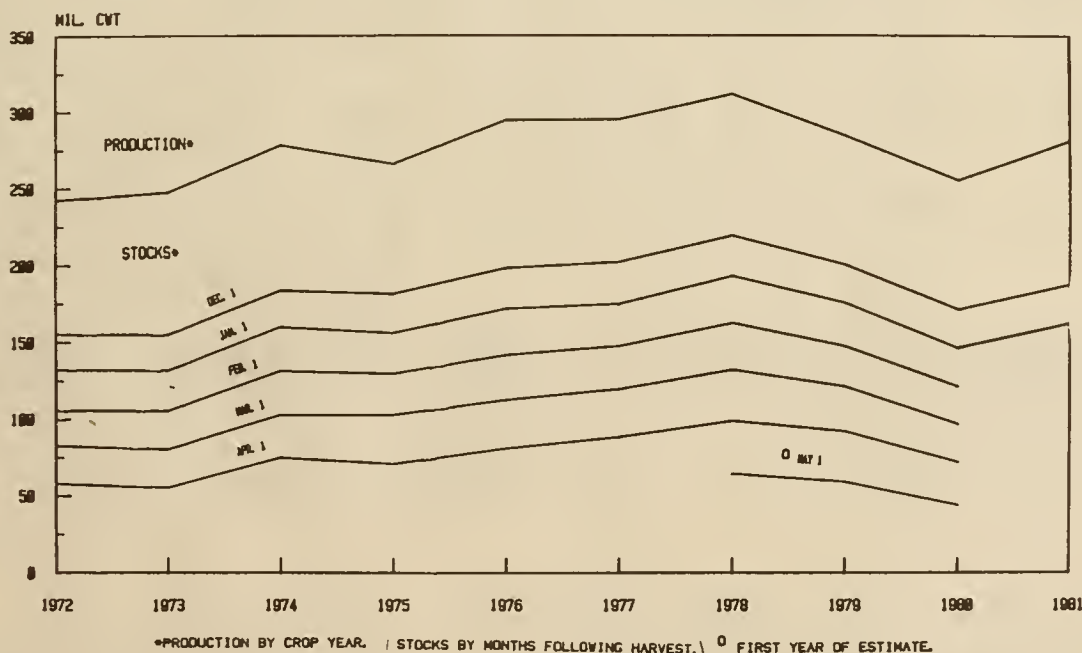
## POTATO STOCKS UP 9 PERCENT FROM YEAR EARLIER

Estimated potato stocks in the 15 major fall States as of January 1, 1982 are 160 million cwt (7.26 million metric tons), 9 percent above January 1 a year ago but 9 percent less than on January 1, 1980. Of the total stocks on hand in the 11 major States, 73 percent are Russets, 23 percent Whites and 4 percent Reds.

Estimated holdings in the three Eastern States total 24.8 million cwt, 10 percent greater than a year earlier but 16 percent below January 1, 1980. Stocks in Maine, at 18.0 million cwt are up 10 percent from a year ago. In the six Central States estimated stocks are 33.9 million cwt, 30 percent greater than a year earlier and 1 percent above January 1 1980. North Dakota's stocks are 37 percent above a year ago while Minnesota and Wisconsin are up 16 and 44 percent, respectively. Holdings in the six Western States total 101 million cwt, 3 percent more than on January 1, 1981 but 10 percent below two years ago. Idaho's stocks are estimated at 51.0 million cwt, 4 percent less than a year earlier. Holdings in Washington and Oregon are up 14 and 12 percent, respectively, compared with January 1, 1981.

(Continued on page 4)

## FALL POTATOES: PRODUCTION AND STOCKS



NOTE: Stocks are defined as the quantity remaining in storage for all purposes and uses, including shrinkage and waste and other losses that occur after the date of each report. Sales of fall potatoes for all purposes generally account for about 90 percent of the total fall production. Shrinkage and loss and home use account for the remaining 10 percent.

TABLE 1. FALL POTATOES: DECEMBER 1, JANUARY 1, FEBRUARY 1, MARCH 1, APRIL 1, AND MAY 1 TOTAL STOCKS, AND COMPARABLE PRODUCTION FOR 15 STATES ESTIMATING POTATO STOCKS <sup>1/</sup>

CROP YEAR	PRODUCTION	DEC 1	JAN 1	FEB 1	MAR 1	APR 1	MAY 1
1,000 CWT							
1971 <sup>2/</sup>	258,613	172,550	148,600	122,350	97,150		
1972	242,390	155,190	132,050	105,690	82,510	57,860	
1973	247,686	154,890	131,600	105,360	80,460	55,465	
1974	278,679	183,850	160,100	131,480	102,963	75,217	
1975	266,422	181,720	156,220	129,710	102,850	70,970	
1976	294,978	198,630	172,230	142,030	112,830	81,130	
1977	295,421	202,550	175,300	147,930	119,850	88,680	
1978	311,981	219,850	193,520	162,980	132,570	99,250	64,830
1979	285,060	200,820	176,020	147,910	121,720	92,550	59,535
1980	255,691	171,730	146,610	121,565	97,280	72,460	44,446
1981	281,375	187,790	160,010				

<sup>1/</sup> SEE TABLE 3 FOR LIST OF 15 STATES.

<sup>2/</sup> BEGINNING WITH 1971, LATE SUMMER PRODUCTION FOR N Y - L I, WIS AND WASH HAS BEEN CLASSIFIED AS FALL.

TABLE 2. POTATOES USED FOR PROCESSING <sup>1/</sup>, SEVEN STATES, 1980 AND 1981 CROPS

STATE	STORAGE SEASON	TO DEC 1	TO JAN 1	TO FEB 1	TO MAR 1	TO APR 1	TO MAY 1	ENTIRE SEASON
IDAHO AND MALHEUR CO., OREG	1980-81 1981-82	14,460 16,720	18,710 21,240	23,230	28,110	33,570	39,210	52,720
MAINE <sup>2/</sup>	1980-81 1981-82	2,190 2,145	2,880 2,810	3,510	4,245	4,980	5,885	6,660
WASH AND OTHER AREAS, OREG	1980-81 1981-82	14,610 17,745	16,845 21,270	19,725	23,710	27,405	31,500	39,020
OTHER STATES <sup>3/</sup>	1980-81 1981-82	2,355 2,860	2,890 3,670	3,745	4,565	5,205	6,105	7,550
TOTAL	1980-81 1981-82	33,615 39,470	41,325 48,990	50,210	60,630	71,160	82,700	105,950

<sup>1/</sup> TOTAL QUANTITY RECEIVED AND USED FOR PROCESSING REGARDLESS OF THE STATE IN WHICH THE POTATOES WERE PRODUCED. DOES NOT INCLUDE QUANTITIES USED FOR POTATO CHIPS IN MAINE, MICH OR MINN. <sup>2/</sup> INCLUDES MAINE GROWN POTATOES ONLY. <sup>3/</sup> MICH, MINN AND N DAK.

TABLE 3. POTATOES: PRODUCTION AND TOTAL STOCKS OF FALL POTATOES HELD BY GROWERS, PROCESSORS AND LOCAL DEALERS ON JANUARY 1, 1981 AND JANUARY 1, 1982

STATE	CROP OF 1980			CROP OF 1981		
	: JAN 1 STOCKS:			: JAN 1 STOCKS:		
	PRODUC-	TOTAL STOCKS:	AS % OF	PRODUC-	TOTAL STOCKS:	AS % OF
	TION	JAN 1, 1981	PRODUCTION	TION	JAN 1, 1982	PRODUCTION
	1,000 CWT		PERCENT	1,000 CWT		PERCENT
CALIF	6,438	3,400	53	6,734	3,600	53
COLO	10,950	6,700	61	12,000	7,250	60
IDAHO	79,840	53,000	66	80,040	51,000	64
MAINE	24,960	16,300	65	26,520	18,000	68
MICH	7,403	3,300	45	7,050	3,900	55
MINN	9,920	7,000	71	13,300	8,100	61
MONT	1,725	1,610	93	1,739	1,630	94
NEBR	1,876	1,250	67	2,252	1,600	71
N Y						
-L I	4,794	1,400	29	5,365	1,250	23
-UPST	6,250	2,150	34	6,875	2,750	40
N DAK	15,680	8,900	57	20,125	12,200	61
OHIO	1,995	300	15	1,845	330	18
OREG	19,745	11,300	57	21,710	12,700	58
PA	4,180	2,600	62	5,250	2,800	53
WASH	43,935	22,000	50	52,380	25,100	48
WIS	16,000	5,400	34	18,190	7,800	43
15 ST.						
TOTAL	255,691	146,610	57	281,375	160,010	57

To assist users in evaluating the reliability of the January 1, 1982 potato stocks estimates, the "Root Mean Square Error", a statistical measure based on past performance, has been calculated. This is computed by expressing the deviations between the January 1 preliminary estimate and the final estimate as a percent of the final estimate and averaging the squared percentage deviations for the 1962-81 twenty-year period. The square root of this average becomes statistically the "Root Mean Square Error". Probability statements can be made concerning expected errors in the current preliminary estimate relative to the final end of season estimate, assuming that factors affecting this year's estimate are not different from those influencing recent years' preliminary estimate.

The "Root Mean Square Error" for the January 1, 1982 potato stocks estimate is .24 percent. This means that chances are 2 out of 3 that the current estimate of 160 million hundredweight will not be above or below the final estimate by more than 2.4 percent or approximately 3.84 million hundredweight. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 4.1 percent or approximately 6.56 million hundredweight.

During the past 10 years, the difference between the January 1 preliminary and final estimate averaged 3.6 million hundredweight. The largest deviation was 5.7 and the smallest was 1.2 million hundredweight. The preliminary January 1 estimate was below the final estimate 9 out of the past 10 years.

TABLE 4. FALL POTATOES: STOCKS BY TYPE AS PERCENT OF TOTAL STOCKS, JANUARY 1, 1982,  
11 MAJOR STATES

STATE	POTATO TYPES			
	REDS	WHITES	RUSSETS	TOTAL
	PERCENT			
COLO	12	5	83	100
IDAHO			1/2/100	100
MAINE		2/73	27	100
MICH 4/				
MINN	22	48	30	100
N Y		2/ 3/100		100
N DAK	26	61	13	100
OREG			1/ 2/100	100
PA		2/100		100
WASH			1/ 2/100	100
WIS	8	28	64	100
11 STATE TOTAL	4	23	73	100

1/ INCLUDES SMALL QUANTITIES OF WHITES, LESS THAN 5 PERCENT OF TOTAL.

2/ INCLUDES SMALL QUANTITIES OF REDS, LESS THAN 5 PERCENT OF TOTAL.

3/ INCLUDES SMALL QUANTITIES OF RUSSETS, LESS THAN 5 PERCENT OF TOTAL.

4/ NOT PUBLISHED TO AVOID DISCLOSURE OF INDIVIDUAL OPERATIONS.

Disappearance to January 1, 1982 in the 15 major fall States totals 121 million cwt, 11 percent above the same period a year ago. This includes 17.1 million cwt of potatoes dumped during grading, fed to livestock on potato farms, discarded without grading, and lost to shrinkage (moisture loss). Disappearance for the month of December totaled 27.8 million cwt compared with 25.1 million cwt for December 1980.

Potatoes processed to January 1, 1982 in the seven major processing States total 49.0 million cwt, 19 percent more than the same period a year ago.

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